

UNITED STATES PATENT AND TRADEMARK OFFICE			
APPLICATION NO. 10/736,087	FILING DATE 12/15/2003	FIRST NAMED INVENTOR Joseph C. Walsh	ATTORNEY DOCKET NO. 2003P88074US

Response To OFFICIAL ACTION

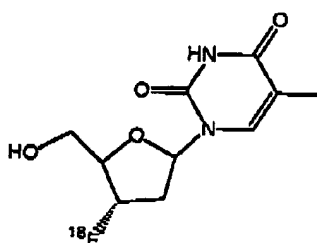
EXAMINER Jones, Dameron Levest	
ART UNIT 1618	PAGE NUMBER 2

AMENDMENTS TO THE CLAIMS

In the Claims, please make the following amendments:

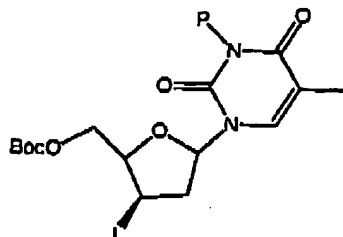
1 - 38. (Canceled)

39. (Currently amended) A method for preparing a compound having the following formula:

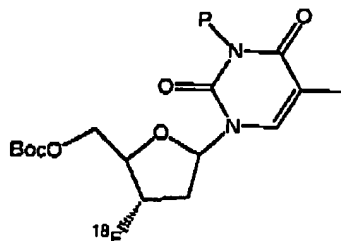


comprising:

a. [^{18}F]fluorinating a compound having the following formula:



wherein P is an amine protecting group and L is a leaving group, to produce a compound having the formula:



wherein P is the same as defined above; and

b. removing the amine protecting group and Boc group to produce ^{18}F -FLT.

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40. (Previously presented) A method according to Claim 39, wherein P is selected from the group consisting of tert-butoxycarbamate, isopropyl carbamate, pivaloyloxymethyl, carbamate, methyl carbamate, allyl carbamate, *N*-tetrahydropyran, *N*-tetrahydrofuran; *t*-butylamide, and *N*-pyrrolidinomethylamide.

41. (Previously presented) A method according to Claim 39, wherein P is *t*-butoxycarbonyl.

42. (Previously presented) A method according to Claim 39, wherein L is benzenesulfonyl, methylsulfonyl, *p*-methylbenzenesulfonyl, 4-nitrobenzene sulfonyl, *p*-bromobenzenesulfonyl, trifluoromethylsulfonyl, trichloroacetimide, 2,2,2-trifluoroethanesulfonyl, or imidazolesulfonyl.

43. (Previously presented) A method according to Claim 39, wherein L is nosylate, tosylate, or mesylate.

44. (Previously presented) A method according to Claim 39, wherein P is *t*-butoxycarbonyl and L is nosylate.

45. (Currently amended) A method according to Claim 39, wherein the amine protecting group and ~~bee~~ Boc groups are removed by acid hydrolysis.

46. (Currently amended) A method according to Claim 39, wherein the amine protecting group and ~~bee~~ Boc group are removed by treating the reaction product of step (a) with HCl, HBr, HOAc, H₂SO₄, HI, trimethylsilyliodide, or H₃PO₄.

47 - 50. (Canceled)